

# GSA and Internet Protocol Version 6 (IPv6)

Transition to the next generation Internet protocol



[www.gsa.gov/itsipv6](http://www.gsa.gov/itsipv6)



**GSA offers a wide range of already competed contracts that give agencies fast access to the best industry solutions available at the best industry prices. Agencies can focus on planning, measuring, and managing their IPv6 transition and leave the contracting details to GSA.**

### **Agencies are facing tough IPv6 transition challenges to ensure:**

- **A smooth transition to IPv6 while co-existing with IPv4 in the near-term.**
- **Network Quality of Service metrics are maintained and improved.**
- **Network security is improved using IPsec features embedded in IPv6.**
- **The potential for a more robust network failure recovery capability is realized.**
- **A rapid expansion of users and devices.**

**It is our job to support you to overcome these challenges and make you successful!**

### **Why choose GSA?**

**IPv6-compliant equipment, applications, and integrated solutions are available now through GSA contracts.**

GSA provides agencies with a wide range of IPv6 options, under contract, that provide access to the best solutions industry has to offer at industry leading low prices.

GSA offers an experienced technology team with current knowledge of IPv6, security, and other IT directives that drive agency requirements. We are in constant dialogue with industry to identify leading solutions.

GSA offers a wide choice of competed contracts providing IPv6 support such as:

- **Multiple Award Schedules with access to the best IT companies in the industry**
- **Network Services contracts, such as Network, that are performance based and provide access now to IPv6 compliant networks**
- **Government-wide Acquisition Contracts (GWACs) such as Millennia and Answer**



## Why IPv6?

Requirements for more address space, simpler address design and handling at the IP layer, better Quality of Service support, greater security, and an increasing number of media types and internet-capable devices, have all contributed to drive the development of IPv6.

Technically speaking, IPv6 fully deployed desktop to desktop provides the following benefits:

- Improved efficiency in routing and packet handling
- Support for auto-configuration plug and play
- Support for embedded IP security
- Enhanced support for Mobile IP and mobile computing devices
- Elimination of the need for Network Address Translation (NAT)
- Support for widely deployed routing protocols
- Increased number of multicast addresses and improved support for multicast

## GSA: Supporting agency customer compliance with OMB Memorandum 05-22

OMB Memorandum requires that an agency's backbone (aka "network core") be capable of transmitting both IPv4 and IPv6 traffic, and supporting IPv4 and IPv6 addresses by June 30, 2008. This is a first step in an agency's transition to IPv6.

## GSA: Supporting a full agency transition from IPv4 to IPv6

A full range of agency mission improvements will be realized only after applications, peripherals, and other IT assets not included in the OMB memorandum, are fully upgraded to IPv6. GSA provides agencies with immediate contractual access to industry leading solutions at prices better than can be found elsewhere.

**Tell us your requirements and we will work with you to find the best contract vehicle to meet your needs.**



*Smarter Solutions*



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